

Online Examinations (Even Sem/Part-I/Part-II Examinations 2020 - 2021)

Course Name - --Biochemistry & Clinical Pathology

Course Code - 1.4T

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- Bachelor of Physiotherapy
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- M.A.(JMC)
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- MCA
- M.SC.(MSJ)
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- M.SC.CS)
- M.SC.(ANCS)
- M.SC.(MM)
- B.A.(Eng)

Answer all the questions. Each question carry one mark.

9. 1.Biuret test is qualitative test for

Mark only one oval.

- Protein
- Carbohydrate
- Lipid
- Vitamin

10. 2.Molisch's test is qualitative test for

Mark only one oval.

- Lipid
- Protein
- Vitamin
- Carbohydrate

11. 3.The pigment in the rod cell of eye is called as

Mark only one oval.

- Rhodopsin
- Melanin
- Hemoglobin
- Erythrocyte

12. 4.The normal platelet count is

Mark only one oval.

- 2-5 lacs per [cu.mm](#) of blood
- 2-8 lacs per [cu.mm](#) of blood
- 3-5 lacs per [cu.mm](#) of blood
- 1-5 lacs per [cu.mm](#) of blood

13. 5.Fatty acid synthesis occurs in

Mark only one oval.

- Cytoplasm
- Mitochondria
- Heart
- Lungs

14. 6.Aldosterone regulate

Mark only one oval.

- Sodium absorption
- Blood glucose
- Urine concentration
- Iron absorption

15. 7.Heparin is a

Mark only one oval.

- Monosaccharide
- Aldose
- Disaccharide
- Hetero polysaccharide

16. 8.The normal WBC count is

Mark only one oval.

- 4000 to 11000 per cu. mm of blood
- 9000 to 11000 per cu. mm of blood
- 4000 to 15000 per cu. mm of blood
- 6000 to 11000 per cu. mm of blood

17. 9.The coenzyme form of enzyme is

Mark only one oval.

- NAD
- TPP
- FMN
- All of these

18. 10.Which Nucleic Acid is responsible for transmission of genetic codes?

Mark only one oval.

- DNA
- RNA
- DNA and RNA
- None of these

19. 11.Which vitamin is used as Antioxidant in fat soluble vitamin?

Mark only one oval.

- Vitamin A
- Vitamin K
- Vitamin C
- Vitamin E

20. 12.Goiter occurs due to the deficiency of _____

Mark only one oval.

- Br
- Na
- Cl
- I

21. 13.Vitamin A is

Mark only one oval.

- Water soluble
- Fat soluble
- Both
- None of these

22. 14.The blood pH is about

Mark only one oval.

7.4

6.8

4.5

14

23. 15.The normal value of ESR in men is

Mark only one oval.

5-15 mm

4-10 mm

5-13 mm

9-11 mm

24. 16.In the TCA, malate is oxidized to

Mark only one oval.

Fumarate

L-ketoglutarate

Succinate

Oxaloacetate

25. 17. Alanine is a

Mark only one oval.

- Essential amino acid
- Non essential amino acid.
- Both essential and non essential amino acid.
- Carbohydrate

26. 18. Transamination takes place principally in

Mark only one oval.

- Liver
- Muscles
- Stomach
- Gall bladder

27. 19. The normal level of ketone bodies in the blood is

Mark only one oval.

- 10 mg/dl
- 40 mg/dl
- 15 mg/dl
- 1 mg/dl

28. 20.Cholesterol consist of

Mark only one oval.

- 27 carbons
- 30 carbons
- 14 carbons
- 35 carbons

29. 21.Wilson disease occurs due to abnormal secretion of

Mark only one oval.

- Cu^{2+}
- Iron
- Ca^{2+}
- Mg^{2+}

30. 22.Cobalt is component of

Mark only one oval.

- Vitamin-B6
- Vitamin-A
- Vitamin-B12
- Vitamin-D

31. 23.The sugar present in nucleic acid is

Mark only one oval.

- Ribose
- Xylose
- Glycose
- Fructose

32. 24.Which element is required for the contraction of muscles?

Mark only one oval.

- Calcium
- Sodium
- Magnesium
- Manganese

33. 25.Cholesterol is a

Mark only one oval.

- Carbohydrate
- Steroid
- Lipid
- Fatty acid

34. 26. Protein deficiency disease is known as

Mark only one oval.

- Kwashiorkor
- Cushing's disease
- None of the above
- Gaucher's disease

35. 27. Vitamin D is

Mark only one oval.

- Water soluble
- Fat soluble
- Both water and fat soluble
- None of these

36. 28. Deficiency of vitamin A produces

Mark only one oval.

- Night blindness
- Cancer.
- Rickets
- Goiter.

37. 29. Blood platelets are formed by

Mark only one oval.

- W.B.C
- Bonemarrow
- Spleen
- Spleen and Bonemarrow

38. 30. A keto sugar can be detected by

Mark only one oval.

- Fehling's test
- Benedict test
- Seliwanoff's test
- Molisch test

39. 31. Megaloblastic anemia occurs due to deficiency of

Mark only one oval.

- Vitamin-A
- Vitamin-C
- Lipoic acid
- Folic acid

40. 32.Scurvy occur due to deficiency disease of

Mark only one oval.

- Vitamin-A
- Vitamin-D
- Vitamin-E
- Vitamin-C

41. 33.Protein that has different primary structure but performs same functions are named as

Mark only one oval.

- Monomer
- Dimer
- Isoforms
- Peptides

42. 34.Haemoglobin is a pigment found in red blood cells and its function is to transport

Mark only one oval.

- Oxygen
- Carbon dioxide
- Peptide
- Amino acids

43. 35.Amino acids are joined by

Mark only one oval.

- Peptide bond
- Hydrogen bond
- Ionic bond
- Sulfide bond

44. 36.Tertiary structure of protein is maintained by

Mark only one oval.

- Peptide bond
- Di-sulphide bond
- Hydrogen bond
- All of these

45. 37.Carbohydrates are

Mark only one oval.

- Polyhydroxy aldehyde and phenols
- Polyhydroxy aldehyde and ketones
- Polyhydroxy ketones and phenol
- Polyhydroxy alcohols and phenol

46. 38.Vitamin B is soluble in

Mark only one oval.

- Fat
- Water
- fat and water
- None of these

47. 39.Amino acids which are not synthesized by human body are called

Mark only one oval.

- Essential amino acids
- Non essential amino acids
- Simple amino acids
- Complex amino acids

48. 40.Vitamin K is necessary for

Mark only one oval.

- Eyes and skin
- Energy production in cells
- Antioxidant
- Blood clotting

49. 41.Which of following are called building blocks of all proteins?

Mark only one oval.

- Vitamins
- Amines
- Lipids
- Amino acids

50. 42.RNA (Ribonucleic Acid) is made up of

Mark only one oval.

- Ribose sugar
- Phosphate unit
- Nitrogen base
- All of these

51. 43.What prevents clotting of blood inside blood vessels?

Mark only one oval.

- Heparin
- Serotonin
- Fibrinogen
- Fibrin

52. 44.Iron is a component of

Mark only one oval.

- Hemoglobin
- Ceruloplasmin
- Transferase
- Transaminase

53. 45.The enlargement of the thyroid gland due to iodine deficiency is known as

Mark only one oval.

- Metalloenzyme
- Chelate
- Thyrogoiter
- Goiter

54. 46.Which of the following element is found in seafood?

Mark only one oval.

- Iodine
- Copper
- Manganese
- Fluoride

55. 47.Vitamins are

Mark only one oval.

- Fat soluble
- Water soluble
- Oil soluble
- Fat soluble and Water soluble

56. 48.Vitamin K is

Mark only one oval.

- Water soluble
- Fat soluble
- Water soluble and Fat soluble
- None of these

57. 49.Other name of Thiamin is

Mark only one oval.

- B1
- B2
- B3
- B12

58. 50. Other name of Pantothenic acid is

Mark only one oval.

B1

B5

B3

B12

59. 51. Other name of Folic acid is

Mark only one oval.

B9

B6

B3

B12

60. 52. Other name of Pyridoxine is

Mark only one oval.

B1

B6

B3

B12

61. 53. Other name of Cholecalciferol is

Mark only one oval.

Vitamin D

Vitamin C

Vitamin K

Vitamin A

62. 54. Other name of Phytonadione

Mark only one oval.

Vitamin D

Vitamin K

Vitamin K1

Vitamin A

63. 55. Rickets in children occurs due to the deficiency of

Mark only one oval.

Cholecalciferol

Thiamin

Acetic Acid

Niacin

64. 56.Beriberi occurs due to the deficiency of

Mark only one oval.

- Cholecalciferol
- Thiamin
- Acetic Acid
- Niacin

65. 57.Anorexia occurs due to the deficiency of

Mark only one oval.

- Ascorbic acid
- Biotin
- Ratinol
- Tocopherol

66. 58.Decreased hemoglobin content of RBCs is called

Mark only one oval.

- Sickel cell anemia
- Iron deficiency anemia
- Megaloblastic anemia
- Thalasemia

67. 59. Macrocytic anemia is also known as _____

Mark only one oval.

- Sickle cell anemia
- Iron deficiency anemia
- Megaloblastic anemia
- Thalasemia

68. 60. Decrease total number of WBC in blood is called

Mark only one oval.

- Leucocytosis
- Leucopenia
- Leukemia
- Eosiniphillia

69. 61. Increase in platelet count above the normal value of platelet in blood is called _____

Mark only one oval.

- Leucocytosis
- Lymphocytosis
- Thrombocytosis
- Thormbocytopenia

70. 62. In ketosis urine emits the smell of _____

Mark only one oval.

- Orange
- Benzene
- Alcohol
- Acetone

71. 63. Presence of protein in Urine is called _____

Mark only one oval.

- Oliguria
- Proteinuria
- Chyluria
- Polturia

72. 64. Presence of blood cell in Urine is called _____

Mark only one oval.

- Oliguria
- Glucosuria
- Hematuria
- Polturia

73. 65. Presence of glucose in urine identified by the test _____

Mark only one oval.

- Benedict's test
- Oliver's test
- Gmelin's test
- Heat test

74. 66. Presence of Bile pigments in urine identified by the test _____

Mark only one oval.

- Benedict's test
- Oliver's test
- Gmelin's test
- Heat test

75. 67. Breakdown of glycogen to form glucose is called _____

Mark only one oval.

- Glycogenesis
- Neoglucogenesis
- Glycolysis
- Glycogenolysis

76. 68.Total number of ATP produce in Citric acid cycle is _____

Mark only one oval.

8

30

38

15

77. 69.Ricket can be diagnosed by an enzyme_____

Mark only one oval.

Amylase

Alkaline phosphatase

GOT

Lipase

78. 70.Myocardial infraction can be diagnosed by estimating _____

Mark only one oval.

SGOT

SGPT

GPT

LDH

79. 71.Estimation of SGPT helps in the diagnosis of _____

Mark only one oval.

- Heart Disease
- Kidney Diseases
- Liver Diseases
- Brain Diseases

80. 72.Calcium deficiency diseases which occur in adults _____

Mark only one oval.

- Ricket
- Beriberi
- Osteomalacia
- Renal failure

81. 73.Example of aromatic amino acid is _____

Mark only one oval.

- Tyrosin
- Methionine
- Lysine
- Cystine

82. 74. Protein in solution form a pink colour when treated with _____

Mark only one oval.

- Biuret reagents
- Ninhydrin solution
- Millon's reagents
- Sakaguchi reagents

83. 75. Protein in solution form a red colour when treated with _____

Mark only one oval.

- Biuret reagents
- Ninhydrin solution
- Millon's reagents
- Sakaguchi reagents

84. 76. The most important carbohydrate found in animals is _____

Mark only one oval.

- Glucose
- Starch
- Glycogen
- Sucrose

85. 77.Polydypsia means _____

Mark only one oval.

- Increased appetite
- increase glucose level in blood
- increased thirst
- increased urine output

86. 78.Fatty liver is caused by _____

Mark only one oval.

- Starvation
- High fat diet
- Alcoholism
- All of them

87. 79.Normal adult contain _____ gm of zinc in the body

Mark only one oval.

- 1.5 to 2.5
- 5 to10
- 3.5 to 5
- 20

88. 80.Enzyme of citric acid cycle are present in _____

Mark only one oval.

- Mitochondria
- Cytoplasm
- Cell membrane
- Liver

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